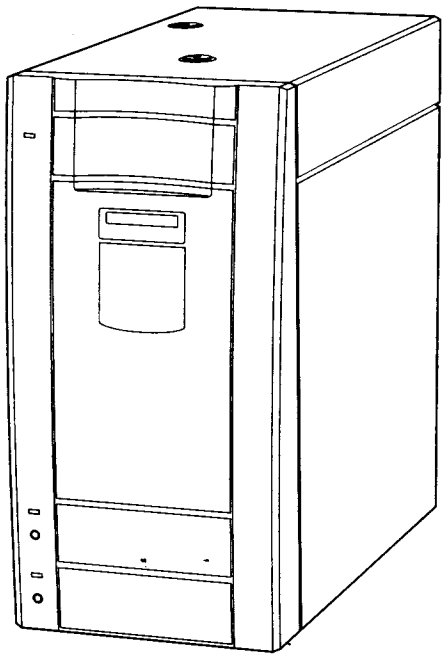
SONY®

CD-ROM LIBRARY

CDL1100



USER'S GUIDE

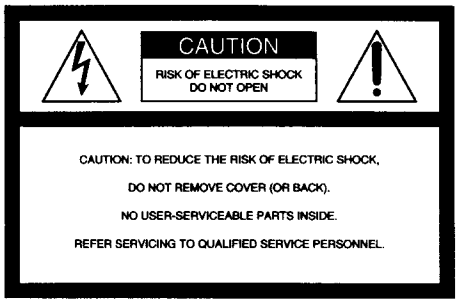
SAFETY INFORMATION

INFORMATION

To prevent fire or shock hazard, do not expose the unit to rain or excessive moisture.

To avoid electrical shock, do not open the cabinet. The opening of the unit by unauthorized personnel voids the warranty. Refer servicing to qualified personnel only.

Because the disc drives in the CDL1100 use a laser beam that is harmful to the eyes, do not disassemble the disc drives. Refer servicing to qualified personnel only.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Owner's record

The model and serial numbers are located on the bottom. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. CDL1100

Serial No. _____

For the Customers in the U.S.A.

Caution

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

NOTICE

(For USA and Canada only)

If used in the USA, use the UL LISTED power cord specified below. If used in Canada, use the CSA CERTIFIED power cord specified below.

DO NOT USE ANY OTHER POWER CORD.

For 100-120V

Plug Cap:	Parallel blade with ground pin. (NEMA 5-15P Configuration)
Cord:	Type SJT, three 16 or 18 AWG wires.
Length:	Maximum 14.7 feet (4.5 m)
Rating:	Minimum 10A, 125V

For 220-240V **(Power cord not supplied by Sony)**

Plug Cap:	Tandem blade with ground pin. (NEMA 6-15P Configuration)
Cord:	Type SJT, three 16 or 18 AWG wires.
Length:	Maximum 14.7 feet (4.5 m)
Rating:	Minimum 10A, 250V

REMARQUE

THIS NOTICE IS APPLICABLE FOR USA AND CANADA ONLY.

CETTE REMARQUE NE CONCERNE QUE LES ETATS-UNIS ET LE CANADA.

En cas d'utilisation aux Etats-Unis, n'utiliser que le cordon d'alimentation inscrit sur LISTE UL et specifié ci-dessous pour utilisation.

En cas d'utilisation au CANADA, n'utiliser que le cordon d'alimentation CERTIFIE par CSA et specifié ci-dessous pour utilisation.

N'UTILISER AUCUN AUTRE CORDON D'ALIMENTATION

Sur 100-120V

Fiche:	Lame paralléle avec une broche de mise á la terre. (Configuration NEMA 5-15P)
Cordon:	Type SJT, trois fils 16 ou 18 AWG. (type blindé)
Longueur:	Maximum 14.7 pied (4.5 m)
Capacité:	Minimum 10A, 125V

Sur 220-240V

Fiche:	Lame tandem avec une broche de mise á la terre. (Configuration NEMA 6-15P)
Cordon:	Type SJT, trois fils 16 ou 18 AWG. (type blindé)
Longueur:	Maximum 14.7 pied (4.5 m)
Capacité:	Minimum 10A, 250V

NOTICE

(For countries other than USA and Canada)

In countries other than the USA and Canada, use the power cord set approved by the appropriate testing organization for the specific countries where this unit is to be used.

For continued compliance with European safety regulations, the power cord shall be marked with <HAR> and the plug shall be appropriate for the country in which the device is to be installed and operated.

HINWEIS

Außerhalb der USA und Kanada ein Netzkabel verwenden, das von der entprechendn, nationalen Testbehörde des Landes zugelassen ist, in dem das Gerät betrieben und, installiert wird.

Damit auch weiterhin die europäischen Sicherheitsvorschriften eingehalten werden, ist das Netzkabel mit der Aufschrift "HAR" zu kennzeichnen und der Netzstecker muß die Anforderungen des entsprechenden Landes einhalten, in der das Gerät installiert und betrieben wird.

WARNING

(For Customers in the United Kingdom)

THIS APPARATUS MUST BE EARTHED.

CAUTION

The entire system power is controlled by the MAIN switch on the rear panel.

VORSICHT

Die Systemversorgung wird am MAIN-Schalter an der Rückseite ein- und ausgeschaltet.

Selecting the Voltage

Set the voltage selector on the rear side to the appropriate voltage.

United States and Canada: Set to 120 V

Europe: Set to 230 V

Sélection du voltage

Placer le sélecteur de voltage sur l'indication de la tension appropriée.

Etats-unis et Canada: Régler sur 120 V

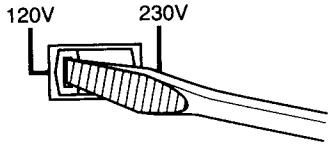
Europe: Régler sur 230 V

Wahl der Stromspannung

Stellen Sie den Spannungswähler auf der Rückseite auf die richtige Spannung ein.

Vereinigte Staaten und Kanada: Auf 120 V stellen

Europa: Auf 230 V stellen

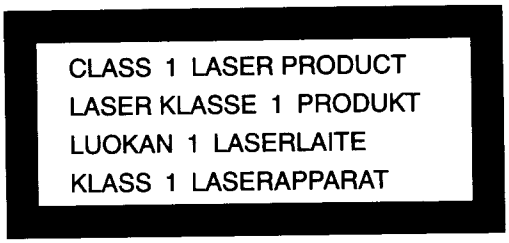


LASER SAFETY INFORMATION

The CD-ROM drives used in the SONY CDL1100 CD-ROM Library are certified as Class 1 laser products per EN60825 and CFR 21 SUB J unde U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard according to the Radiation Control for Health ar Safety Act of 1968.

This CD-ROM Library is classified as a CLASS 1 LASER PRODUCT pe EN60825-1. The CLASS 1 LASER PRODUCT label is located on the rea

Bei dieser CD-ROM-Bibliothek handelt es sich um ein LASERPRODUC DER KLASSE 1 nach EN60825-1. Das Etikett mit der Angabe LASERPRODUCKT DER KLASSE 1 befindet sich an der Rückwand.



This label is affixed on the back of the front bezel of the CD-ROM Library.

Dieses Etikett ist an der Rückseite des vorderen Randes der CD-ROM-Bibliothek angebracht.

Dit label bevindt zich achteraan op het frontdeksel van de CD-ROM Library.

Etiketten är fäst på kontakten till CD-ROM-bibliotekets främre infattning.

Denne mærkat skal snbringes bag på den forreste holder til CD-ROM-biblioteket.

Tämä tarra on kiinnitetty CD-ROM Libraryn etuosassa olevan peitelevyn takaosaan.

Denne etiketten er festet bak på frontpanelet til CD-ROM-biblioteket.

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

ADVARSEL : USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION UNDGÅ UDSAETTELSE FOR STRÅLING.

VORSICHT : UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET UND SICHEREITSVERRIEGELUNG ÜBERBRÜCKT. NICHT DEM STRAHL AUSSETZEN.

VARO! : AVATTAESSA JA SUOJALUKITUS OHITETTASSA OLET ALT-TINA NÄKYMÄTTÖMÄLLE LASERSÄTEIYLLE. ÄLÄ KATSO SÄTEESEEN.

VARNING : OSYNLIG LASERSTRÅLING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.

ADVERSEL : USYLING LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.

VIGYÁZAT! : A BURKOLAT NYITÁSAKOR LÁTHATATIAN LÉZERSUGÁRVESZÉLY! KERÜLJE A BESUGÁRZÁST!

Laser use	**CD-ROM**
Type:	Semiconductor laser GaAIAs
Wave Length:	780 nm
Laser output:	Max 44.6 µW*
	* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture. (DHHS Sub clause 1040)

Laser	**CD-ROM**
Typ:	Halbleiterlaser GaAIAs
Wellenlänge:	780 nm
Laser-Ausgangsleistung:	Max 44,6 µW*
	* In einem Abstand von 200 mm vor der Linsen-Oberfläche auf einem optischen Abtastblock mit einer 7-mm-Blende gemessener Wert.

Laser	**CD-ROM**
Type:	Halveder GaAIAs laser
Bølgelengde:	780 nm
Laserutnivå:	max 44,6 µW*
	* Denna utnivå har mätts på 200 mm avstånd från objectivlinsen på det optiska pickupblocket och med 7 mm öppning.

Laser	**CD-ROM**
Typ:	Halvledarlaser av typ GaAIAs
Våglängd:	780 nm
Laser-output:	Max 44,6 µW*
	* Outputtet er den målte værdi ved en afstand på 200 mm fra objektivets overflade på den optiske opsamlingsblok med 7 mm kontur.

Laser	**CD-ROM**
Type:	Halvlederlaser GaAIAs
Bølgelængde:	780 nm
Laserteho:	Max 44,6 µW*
	* Tämä arvo on mitattu 200 mm:n etäisyydeltä laserlukupään linssin pinnasta, kun lukupäässä on 7 mm:n aukko.

WARNING

Use of controls, adjustments or performing procedures other than those specified in this manual may result in hazardous laser radiation exposure.

ACHTUNG

Da der interne Laserstrahl Augenverletzungen verursachen kann, darf das Gehäuse nicht geöffnet werden. Überlassen Sie Wartungsarbeiten stes nur einem Fachmann.

Das Tragen von Brillen oder Kontaktlinsen vergrößert die Gefahr.

FÜR DEUTSCHSPRECHENDE KUNDEN

Zu Ihrer Sicherheit

VORSICHT

Um Feuergefahr und die Gefahr eines elektrischen Schlages zu vermeiden, darf das Gerät weder Regen noch Feuchtigkeit ausgesetzt werden.

Um einen elektrischen Schlag zu vermeiden, darf das Gehäuse nicht geöffnet werden. Überlassen Sie Wartungsarbeiten stets nur einem Fachmann.

Überlassen Sie die Wartungsarbeiten stets Ihrem Sony Händler.

Zur besonderen Beachtung

Zur Sicherheit

Sollte ein fester Gegenstand oder Flüssigkeit in das Geräteinnere gelangen, ziehen Sie das Stromkabel aus der Wandsteckdose, und lassen Sie das Gerät von einem Fachmann überprüfen, bevor Sie es weiter verwenden.

Beim Herausziehen des Kabels fassen Sie stets am Stecker und niemals am Kabel selbst an.

Zur Aufstellung

Stellen Sie das Gerät weden auf einer weichen Unterlage (z.B. Decke, Teppich) noch in der Nähe von Vorhängen, Tapeten usw, auf, da hierdurch die Ventilationsöffnungen blockiert warden können.

Zur Reinigung

Verwenden Sie zur Reinigung des Gehäuses, der Steuerkonsole und der Bedienungselemente ein trockenes, weiches Tuch oder ein weiches, leicht mit mildem Haushaltsreiniger angefeuchtetes Tuch. Lösemittel wie Alkohol oder Benzin dürfen nicht verwendet werden, da diese die Gehäuseoberfläche angreifen.

FCC RADIO FREQUENCY INTERFERENCE STATEMENT

This device complied with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

For CDL1100 customers in Canada

This class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Pour les utilisateurs de CDL1100 au Canada

Cet appareil numérique de la Classe B respecte toutes les exigences du Réglement sur le materiel brouilleur du Canada.

Für Käfer des Models CDL1100 in Deutschland

Diese Ausrüstung erfüllt die europäischen EMC-Richtlinien für die Verwendung in folgender/folgenden Umgebung(en):

- Wohngegenden
- Gewerbegebiete
- Leichtindustriegebiete

(Diese Ausrüstung erfüllt die Bestimmungen der Norm EN55022, Klasse B.)

Hinweis

Gemäß den im Land geltenden Vorschriften bzw. im Einklang mit den EMC Richtlinien wird der Benutzer darauf ingewiesen, daß auch bei integrrierten Systemen die Vorschriften eingehalten werden müssen.

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About This Manual

This manual describes how to use the Sony CDL1100 CD-ROM Library to store CD-ROM discs and access them with the built-in CD-ROM drive(s). It consists of six chapters and an index.

Chapter 1 Introduction

Gives an overview of the CD-ROM Library and its functions.

Chapter 2 Installation

Describes how to unpack and set up the CD-ROM Library.

Chapter 3 Operation

Explains how to operate the CD-ROM Library from the control panel. You can also perform many of the operations from the host computer via the SCSI interface.

Chapter 4 Maintenance

Covers information on how to maintain the CD-ROM Library.

Chapter 5 Troubleshooting

Helps you troubleshoot problems that may occur during operations of the CD-ROM Library.

Chapter 6 General Information

Contains cautions, shipping, and specifications information on the CD-ROM Library.

Conventions

The CD-ROM Library is also referred to as "the unit" throughout this manual.

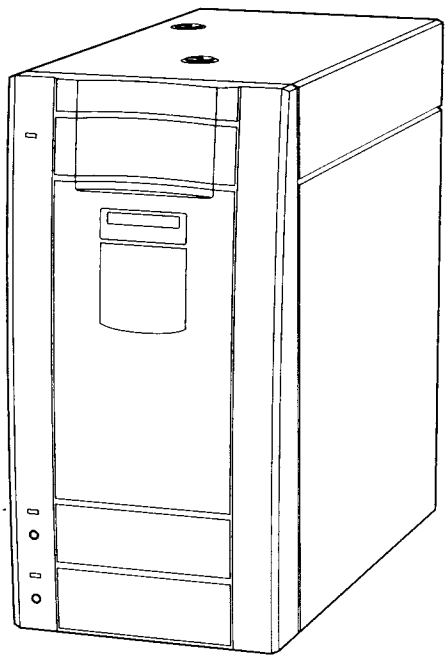
Chapter 1 Introduction

The Sony CDL1100 CD-ROM Library is a CD-ROM library system that combines high performance "jukebox" robotics with internal CD-ROM drive(s) to provide access up to 100 CD-ROM discs stored in the system.

The system consists of the following major components:

- Robotics (the mechanism for storing and moving discs)
- CD-ROM drive A
- CD-ROM drive B (CDL1100-20 only)
- Mailbox

Overview



The CD-ROM Library is available in two models: CDL1100-10 (1 CD-ROM drive) and the CDL1100-20 (2 CD-ROM drives).

The system supports SCSI-2 jukebox commands. This means that you can control most of the CD-ROM Library functions from a host computer via the SCSI interface, or alternatively from the control panel.

The RS-232C serial port allows for diagnostics while servicing the CD-ROM Library.

Features

The CD-ROM Library comes with the following features:

Compact design

The CD-ROM Library weighs only 13.7 kg (30.41 lb) with a small footprint that allows for desktop installation. It can store up to one hundred 12-cm CD-ROM discs.

High-speed CD-ROM drives

The 12-speed Partial CAV CD-ROM drives (1 in CDL1100-10 or 2 in CDL1100-20) enable high-speed access to data stored on the CD-ROM discs.

Simple loading and unloading of discs

The built-in mailbox provides a disc drawer through which you can easily load and unload a disc. Control of the mailbox can be performed via SCSI commands or from the control panel.

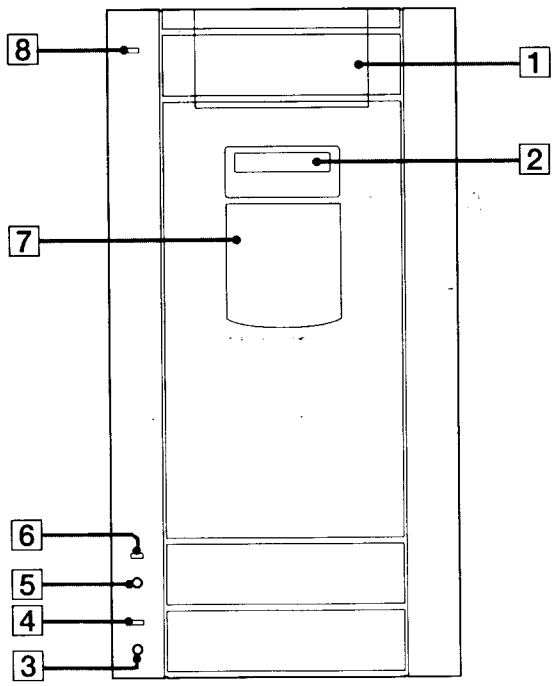
Easy maintenance

The absence of any cooling fan makes operation quiet and maintenance easy.

Identifying the Parts

Be sure to familiarize yourself with the names and functions of parts on the CD-ROM Library.

Front view



1 Mailbox

Use it to load or unload discs.

2 Display window

Display current status of the CD-ROM Library.

3 LINE OUT B jack

Plug in an audio connecting cord to connect to an audio equipment for audio output.

4 Drive B indicator

Lights in amber when drive B is being accessed, or in yellow when there is audio output from LINE OUT B jack.

5 LINE OUT A jack

Plug in an audio connecting cord to connect to an audio equipment for audio output.

6 Drive A indicator

Lights in amber when drive A is being accessed, or in yellow when there is audio output from LINE OUT A jack.

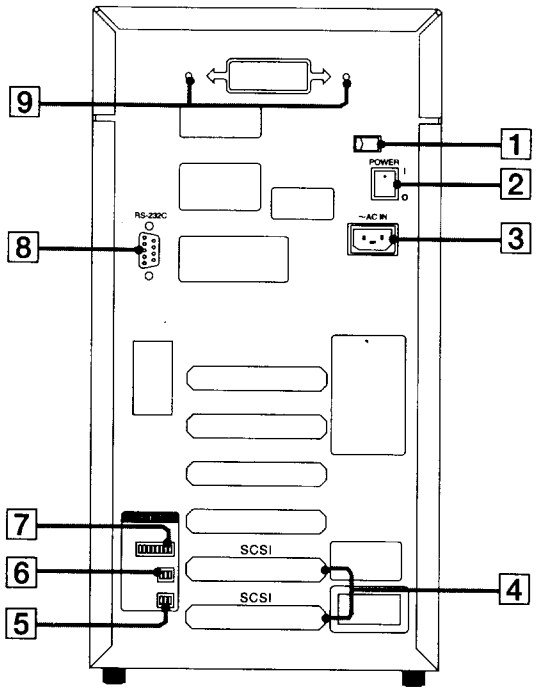
7 Control Panel

Use it to control some of the CD-ROM Library functions such as loading or unloading a disc.

8 POWER indicator

Lights in green when the power is turned on, or flashes in green and red alternately when an error occurs.

Rear view



1 VOLTAGE SELECTOR switch

Select 120V or 230V.

2 POWER switch

Press to turn on/off the power.

3 AC power receptacle

Plug the AC power cord into here.

4 SCSI connectors

Plug the SCSI cables into here to connect to the host computer or other SCSI devices.

5 DRIVE B DIP switches

Assign a SCSI ID to CD-ROM drive B, if installed.

6 DRIVE A DIP switches

Assign a SCSI ID to CD-ROM drive A.

7 ROBOTICS DIP switches

Assign a SCSI ID to the robotics of the CD-ROM Library.

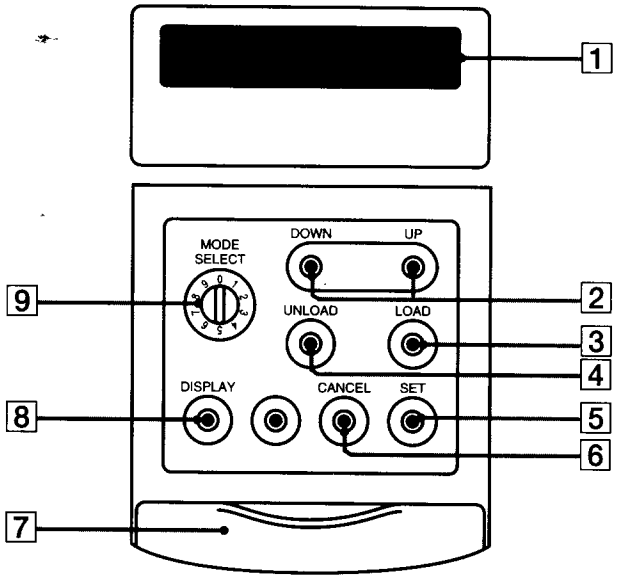
8 RS-232C connector

Connect an RS-232C interface cable for diagnostics.

9 Storage spaces

Holes for storing the shipping screws.

Control panel



1 Display

Gives current status of the CD-ROM Library.

2 UP/DOWN keys

Press to show an item on the menu.

3 LOAD key

Press to load a disc into the mailbox.

4 UNLOAD key

Press to unload a disc through the mailbox.

5 SET key

Press to select the cuurent menu item.

6 CANCEL key

Press to cancel the current operation.

7 Cover

Slide the cover to reveal or hide the control panel keys and dial.

8 DISPLAY key

Press to display a function.

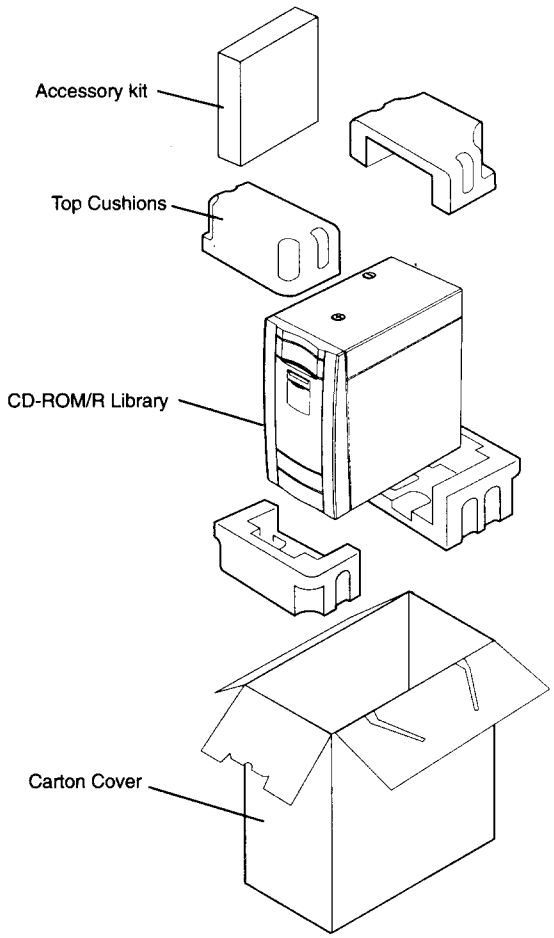
9 MODE SELECT dial

Select "0" (default) for normal mode or "1" for manual mode operation. Do not select any other numbers as they are reserved for qualified service personnel.

Chapter 2 Installation

This chapter describes how to unpack and set up the CD-ROM Library.

Unpacking



Follows the steps below to unpack the CD-ROM Library.

1 Place the package on a flat and sturdy surface. Make sure the top of the CD-ROM Library is facing up.

2 Open the carton cover.

3 Carefully lift and remove the top cushions.

4 Take out the accessory box. Then lift up the CD-ROM Library from the carton tray.

5 Remove the protective sheet from the CD-ROM Library.

Note

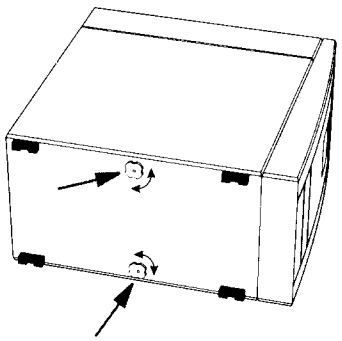
- Carefully check the package for signs of shipping damage. Immediately report any damage to the carrier and dealer.
- Reassemble the shipping carton and store it away for future shipping or storing the CD-ROM Library.

Unlocking the CD-ROM Library

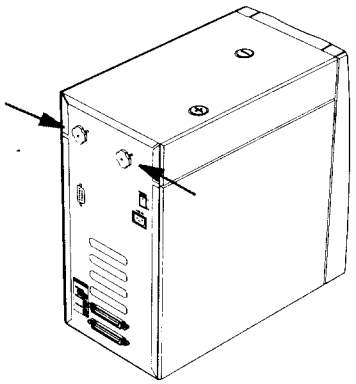
Before shipment, the CD-ROM Library has been locked to protect it from shock and vibration during transportation. Be sure to unlock it before operation, as follows:

Removing the shipping screws

1 Tilt the CD-ROM Library sideways, then loosen and remove the two shipping screws at the bottom.

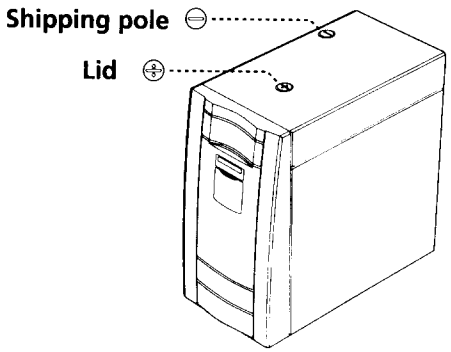


2 Insert them in the two storage holes on the rear side of the unit. Turn the screws to secure them as illustrated.



Checking the shipping pole position

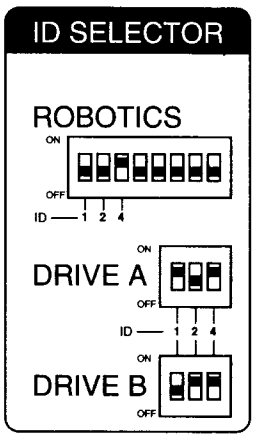
Make sure the shipping pole is in the "operating" position shown below.



Setting Up the SCSI Interface

Before connecting the CD-ROM Library to the host computer and other SCSI devices, you need to assign a SCSI ID to each of the following components in the unit:

- Robotics (mechanism for storing and moving CD-ROM discs)
- Drive A
- Drive B (CDL1100-20 only)



1 Check all SCSI devices connected to the host computer and find out their IDs.

2 Use the ROBOTICS, DISK DRIVE A or DRIVE B DIP switches on the rear side of the CD-ROM Library to assign an ID number still unused.

SCSI ID	1	2	
0	OFF	OFF	OFF
1	ON	OFF	OFF
2	OFF	ON	OFF
3	ON	ON	OFF
4	OFF	OFF	ON
5	ON	OFF	ON
6	OFF	ON	ON
7	ON	ON	ON

Default ID
ROBOTICS: 4
DRIVE A: 5
DRIVE B: 6

Connecting SCSI Cables

Before connection, you need to prepare the required number of SCSI cables (not supplied). The CD-ROM Library uses standard 50-signal shielded SCSI interconnecting cable. Make sure the cable lengths meet the requirements as described in the "Placing the CD-ROM Library" section.

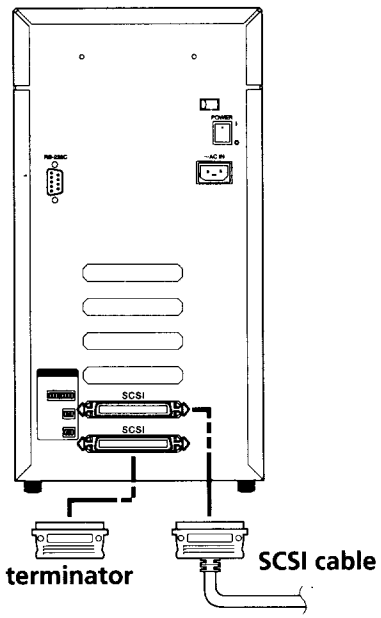
Make sure the required number of addresses are available on the host computer's SCSI bus. If necessary, you can install an adapter into the host computer to increase the number of addresses. Contact your local Sony dealer for more information.

About SCSI termination

When connecting the CD-ROM Library to the host's SCSI port, verify that the host has a termination installed (either internally or externally).

Long cable runs, approaching the 19.7 feet (6 meter) total cable length limit including 5.2 feet (1.6 meter) internal cable length inside the library, or host systems using synchronous or fast SCSI protocols may benefit from the use of active or "forced perfect" termination. See the documentation supplied with the host computer for more information on SCSI termination.

Connecting as single or last device



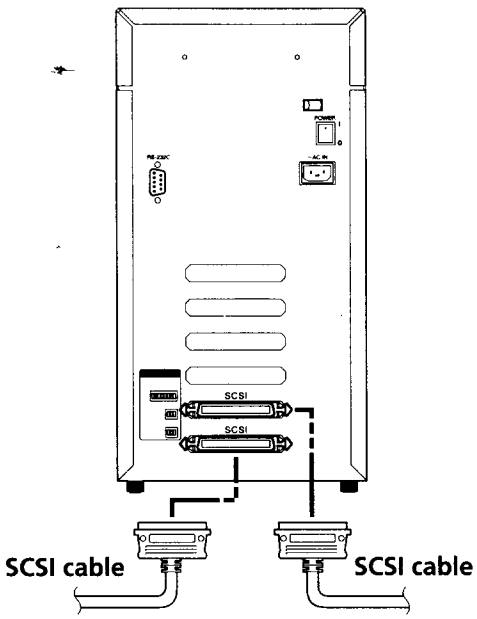
If the CD-ROM Library is the only SCSI device connected, or the last device connected in a SCSI chain, take the following steps:

1 Make sure the POWER switch is off (at the "O" position).

2 Plug one end of the SCSI cable into the host computer's SCSI port, and the other end into either one of the SCSI connectors on the CD-ROM Library.

3 Plug the supplied SCSI terminator into the unused SCSI connector, then close the connectors' locking bails.

Connecting in the middle of a SCSI chain



If the CD-ROM Library is connected in the middle of a SCSI chain, take the following steps:

1 Make sure the POWER switch is off (at the "O" position).

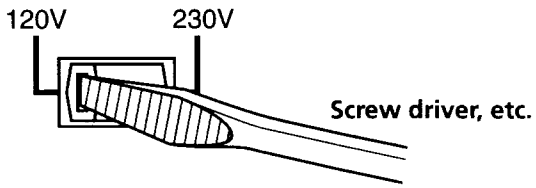
2 Use one of the SCSI connector to connect to the host computer's SCSI port.

3 Use the remaining SCSI connector to connect to the next device on the SCSI chain.

4 Close the locking bails of the SCSI connectors

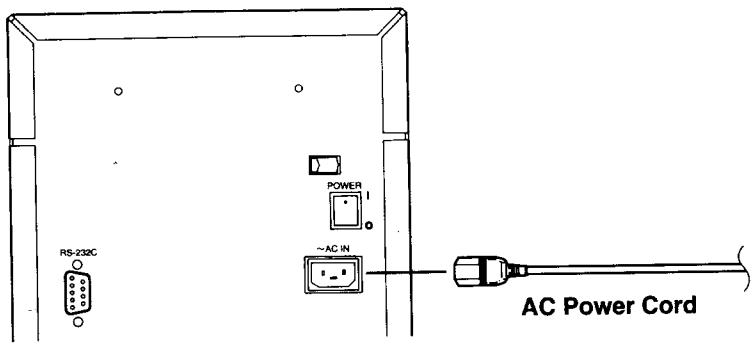
Selecting the Power Voltage

When required, use the VOLTAGE SELECTOR switch on the rear side of the unit to select 120 V or 230 V for the 110-120 V regions and 220-240 V regions respectively.



Connecting the AC Power Cord

Be sure to use an AC power cord appropriate for the voltage, then take the following steps to connect.



1 Check the VOLTAGE SELECTOR switch and the POWER switch on the rear side of the CD-ROM Library. Make sure the voltage is correct and the power switch is off.

2 Plug one end of the supplied AC power cord into the AC power receptacle, and the other end to an AC outlet.

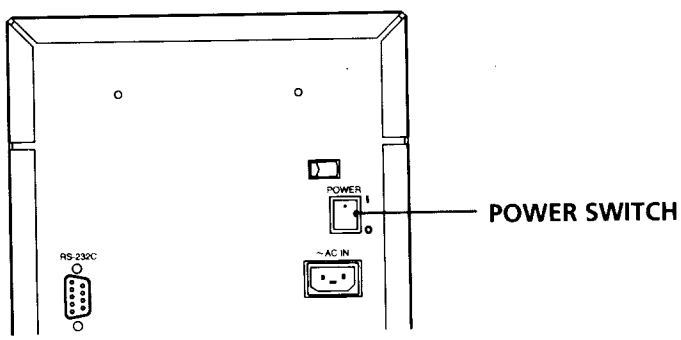
Turning on/off the Power

Caution

Do not turn on the CD-ROM Library until you have set up SCSI IDs for the robotics and the CD-ROM drive(s). Otherwise, the CD-ROM Library may not function correctly.

To turn on the CD-ROM Library

Press the POWER switch so that it is at the "I" position. The CD-ROM Library starts up and indicates its model name and version on the display. The "Calibration" message follows. Finally, when the "Normal Mode" message appears, the CD-ROM Library is ready for operation.



If an error message appears on the display during startup, see chapter 5 for troubleshooting information.

Chapter 3 Operation

While you can perform most of the CD-ROM Library functions from the host computer, this chapter describes how to operate it using the control panel.

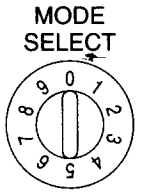
Menu Map

The following menu map contains the complete lists of all menus and submenus.

Use the MODE SELECT switch to select an operation mode, as follows:

MODE SELECT Switch Switch	Mode	Item
0	Normal	LOAD UNLOAD ID Display Error History
1	Manual	LOAD UNLOAD MOVE POSITION INIT PARK Error History
2	Adjust	(For service personnel only)
3	Memory	(For service personnel only)
4	Aging	(For service personnel only)
5	History	(For service personnel only)
6	Diagnostics	(For service personnel only)
7-9	(Reserved)	(For service personnel only)

About the Operation Modes



You can turn the MODE SELECT dial on the control panel to select a mode to control the CD-ROM Library. Select only "0" (nomal mode) or "1" (manual mode) position. Do not select any other numbers as they are reserved for service personnel.

Selecting the normal mode

When shipped, the MODE SELECT dial has been set at the "0" position. If you turn on the power with the MODE SELECT dial set at this position, the CD-ROM Library will operate in the normal mode and you can control the CD-ROM Library from the host computer or the control panel.

Selecting the manual mode

To select the manual mode, set the MODE SELECT dial to the "1" position, then turn on the power. When in the manual mode, the CD-ROM Library can be controlled only from the control panel.

Normal Mode Operations

In the normal mode, you can perform many of the CD-ROM Library functions from the host computer using SCSI commands. In addition, you can perform the following operations from the control panel.

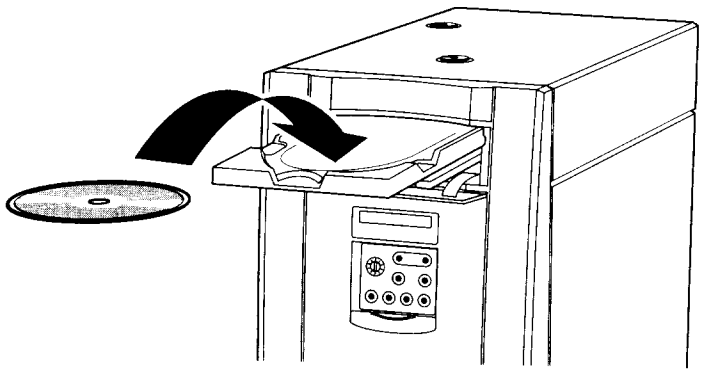
Note

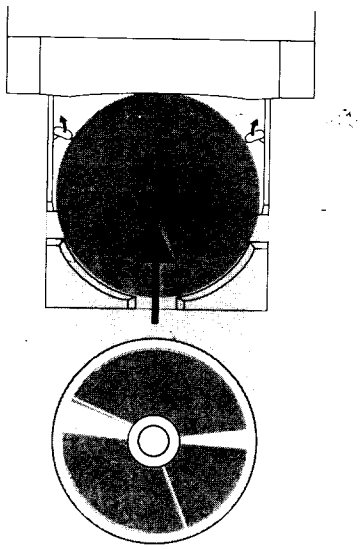
You cannot load or unload discs using the control panel if they have been disabled with the RESERVE or PREVENT MEDIUM REMOVAL command.

Loading a disc

You can load a disc into a specified slot of the CD-ROM Library using the following steps.

1 Press LOAD.
The mailbox opens and the media tray slides out.





2 Place a disc into the media tray.
By default, the smallest slot number available is displayed (001 in this example).

```
Load  Add=[001]
```

3 If necessary, press UP or DOWN to select a different slot. Then press S (or push the media tray).

4 After the disc is stored, the mailbox opens again so that you can load additional discs.
To cancel the operation, press CANCEL. Alternatively, you can also pr SET or push the media tray without any disc loaded into the tray.

Unloading a disc

You can remove the disc from a specified slot of the CD-ROM Library usin the following steps.

1 Press UNLOAD.
By default, the highest slot number being used is displayed (001 in thi example).

```
Unload  Add=[001]
```

2 If necessary, press UP or DOWN to select a different slot. Then press Sl

3 Remove the disc from the media tray.

4 To remove more discs, repeat the steps starting from step 2. (The new number shown will be less than the last one.)
To cancel the operation, press CANCEL.

Note

If you press SET while a disc is still in the media tray, the "Remove dis message will appear and the media tray will slide out again.

Displaying SCSI ID

Use the following steps to find out the SCSI IDs of the robotics, drive A, or drive B (if installed).

Press DISPLAY until the following message appears. (The example here indicates that the IDs for the robotics, drive A and drive B are 4, 5, and 6 respectively.)

```
ID  R: 4  A: 5  B: 6
```

Note

The ID for drive B of the CDL1100-10 model is displayed as "-".

To cancel the operation at any time

Press CANCEL.

Displaying the error history

If you want to check the error history and additional information, take the steps below to see the last 10 errors.

1 Press DISPLAY until the following message appears.

```
Error History?
```

2 Press SET to enter the error history mode.

3 Use UP or DOWN to cycle through the 10 most recent errors (Err0 being the newest error).

Err0:xxx -> Err1:xxx -> Err2:xxx - - - - - - - > Err9:xxx

4 To see additional information related to the current error, press DISPLAY to cycle through the following:

Main Address -> Sub Address -> ATDrA (drive A access count) -> ATDrB (drive B access count) -> MTCLP (Clip count) -> Hours (power-on duration)

5 Press CANCEL to cancel this operation.

Manual Mode Operations

In the manual mode, you control the CD-ROM Library only from the control panel.

Loading a disc

You can load a disc into a specified slot of the CD-ROM Library using the following steps.

1 Press LOAD.
The mailbox opens and the media tray slides out.

2 Place a disc into the media tray.
By default, the smallest slot number available is displayed (1 in this example).

```
Load  Add=[001]
```

3 If necessary, press UP or DOWN to select a different slot. Then press SET (or push the media tray).

4 After the disc is stored, the mailbox opens again so that you can load additional discs.
To cancel the operation, press CANCEL. Alternatively, you can also press SET or push the media tray without any disc loaded into the tray.

Unloading a disc

You can remove the disc from a specified slot of the CD-ROM Library using the following steps.

1 Press UNLOAD.
By default, the highest slot number being used is displayed (001 in this example).

```
Unload  Add=[001]
```

2 If necessary, press UP or DOWN to select a different slot. Then press SET.

3 Remove the disc from the media tray.

4 To remove more discs, repeat the steps starting from step 2. (The new number shown will be less than the last one.)
To cancel the operation, press CANCEL.

Note

If you press SET while a disc is still in the media tray, the "Remove disc!!" message will appear and the media tray will pop out again.

Moving a disc to a different slot

You can move a disc to a different slot using the following steps. This allows you to rearrange the discs, for example.

Example: Moving a disc from slot 12 to drive A

1 Press DISPLAY until the following message appears.

```
Select Move?
```

2 Press SET.

3 Press UP or DOWN to select the slot in which the desired disc is currentl stored.

```
Move [012] to 001
```

4 Press SET.

5 Press UP or DOWN to select the slot to move the disc to.

```
Move 012 to [DrA]
```

6 Press SET to move the disc.
To cancel, press CANCEL.

Positioning the carrier to a slot

1 Press DISPLAY until the following message appears.

```
Select Position?
```

2 Press SET.

3 Press UP or DOWN to select the slot to position the carrier to.

4 Press SET to position the career.
To cancel, press CANCEL.

Initializing slots

By specifying a slot number, you can initialize all slots starting from this number (up to 100). This enables you to find out which slots are empty and which slots are occupied. The results are saved in the non-volatile memory.

1 Press DISPLAY until the following message appears.

```
Select Init?
```

2 Press SET.

3 Press UP or DOWN to select the slot to start.

4 Press SET to start the initialization.

```
Init Add=001 o
```

"o" indicates that the slot is occupied and "x" indicates that the slot is empty. The initialization takes slightly less than 2 minutes.

To cancel, press CANCEL.

Parking the carrier

Before shipping the CD-ROM Library to another location, be sure to park the carrier to the shipping position using the following steps.

1 Press DISPLAY until the following message appears.

```
Select Park?
```

2 Press SET.
If "Remove Disc!!" appears, remove the disc and close the mailbox. When the carrier is parked, the "Shipping Park ok" message appears for about 3 seconds.

Displaying the error history

If you want to check the error history and additional information, take the steps below to see the last 10 errors.

1 Press DISPLAY until the following message appears.

```
Error History?
```

2 Press SET to enter the error history mode.

3 Press UP or DOWN to see an error.
Error with the smallest number is the most recent one. To see additional information related to the current error, press DISPLAY.
For details, see the "Displaying the error history" section on page 37,

4 Press CANCEL to cancel this operation.

Chapter 4 Maintenance

This chapter describes how to maintain the CD-ROM Library at the best condition by cleaning it regularly.

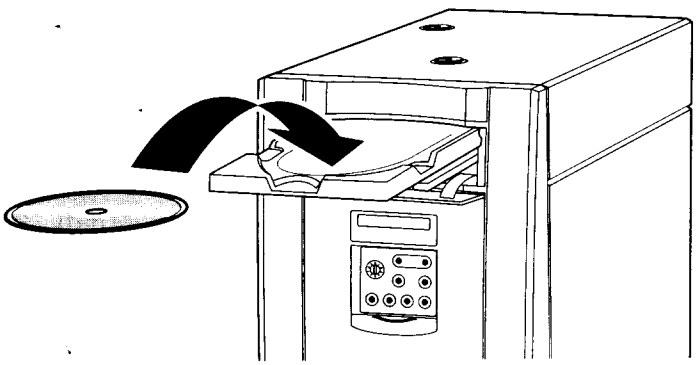
Maintenance Schedule

Table below lists the recommended intervals for performing operator's preventive maintenance on the CD-ROM Library.

Interval	Action	Materials Required
As required	Clean Drives (only when operating in dusty environment or when excessive read/write errors occur).	CD Laser Lens Cleaning Discs Recommended cleaning disc: 3M
Six months	Clean Discs (only when operating in dusty environment or when excessive read errors occur).	CD cleaner

Cleaning the Drives

1 Press LOAD
The mailbox opens and the media tray slides out.



2 Place the cleaning disc into the media tray.
By default, the smallest slot number available is displayed (001 in this sample).

```
Load  Add=[001]
```

3 Press UP or DOWN to select DrA (or DrB), then press SET or push the media tray.

```
Load  Add=[DrA]
```

4 After the disc is loaded, the mailbox opens again. Press CANCEL or push the media tray.

5 Play the cleaning disc in the Drive A (or Drive B) to the end via the SCSI interface.

6 Press UNLOAD.
By default, the highest slot number being used is displayed (001 in this sample).

```
Load  Add=[001]
```

7 Press UP or DOWN to select the Drive A (or Drive B), then press SET.

```
Load  Add=[DrA]
```

8 Remove the cleaning disc from the media tray, then press CANCEL.

Cleaning a Disc

If a CD-ROM disc becomes dirty, clean it with a cleaning kit. Wipe the disc from the center out.

Caution

Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for use with records. They may damage the disc.

For Technical Support

For questions about troubleshooting and other technical support, contact local Sony service representatives.

Chapter 5 Troubleshooting

This chapter describes how to troubleshoot problems of the CD-ROM Library that may occur during the startup and operation of the unit.

Operational Problems

The following warning messages may appear during operation of the unit.

Warning you can correct

If these messages appear, you can correct the problems by taking the following steps.

Message	Meaning and Solution
Disc Full !!	All slots and drive(s) are full. ➡Remove one or more discs from the slots or drives before loading new discs.
No Disc !!	There is no disc in any slot and drive. ➡You must load some discs into the unit before you can use them.
Drive Full !!	The drive(s) is already full. ➡Remove discs from the drive(s).
No Drive !!	No drive is connected to the unit. ➡Be sure to install the drive(s) to the unit.
Slot Full !!	All slots are full. ➡Remove one or more discs from the slots.
Remove Disc !!	A disc still remains in the media tray. ➡Be sure to remove the disc from the media tray.
Load Disabled!	Disc loading is prohibited as set by the SCSI command. ➡Execute RELEASE command.
Unload Disabled!	Disc unloading is prohibited as set by the SCSI command. ➡Execute RELEASE or ALLOW MEDIUM REMOVAL command.

Startup Warning Message

The following is a list of warning message that must require servicing by a qualified service pernonnel.

If these messages appear at the startup of the CD-ROM Library, turn off the power and contact a qualified service personnel for assistance.

Error	Meaning
Check Sum NG !!	The ROM program's checksum is incorrect. The bus interface between the ROM program and the microprocessor may be malfunctioning, or the ROM program may be damaged.
ERAM R/W NG !!	The microprocessor cannot read from and write to the external RAM correctly. The bus interface between the external RAM and the microprocessor may be malfunctioning, or the external RAM may be damaged.
EXIO R/W NG !!	The microprocessor cannot read from and write to the I/O expander correctly. The bus interface between the I/O expander and the microprocessor may be malfunctioning, or the I/O expander may be damaged.
SCSI R/W NG !!	The microprocessor cannot read from and write to the SCSI controller correctly. The bus interface between the SCSI controller and the microprocessor may be malfunctioning, or the SCSI controller may be malfunctioning or damaged.
NVRAM INIT !!	The non-volatile memory has just been initialized. If this message appears when you turn on the power, the backup using the battery may not have been done correctly.
EEPROM INIT !!	The EEPROM has just been initialized. If this message appears when you turn on the power, the bus interface between the EEPROM and the microprocessor may be malfunctioning, or the EEPROM may be damaged.

Other Error Message

If these messages appear, turn off the power and contact a qualified service personnel for assistance.

Indication	Contents
Grip Err.***	An error occurred in the clip operation during gripping disc operation.
Return Err. ***	An error occurred in the clip operation during returning disc operation.
Init Err. ***	An error occurred in the clip operation during initializing disc operation.
FG Err. ######	The FG count error occurred while moving. "######" indicates the number of the error counted.
Chuck Err.	An error occurred during chucking operation.
Unchuck Err.	An error occurred during unchucking operation.
EEPROM Err.	An error occurred during EEPROM operation.
Rst Sensor Err.	The carrier has urgently stopped because the reset position sensor could not perform the detection.

Above "***" of Grip, Return, Init errors indicate the clip position when an error occurred.

***indication	Contents
hld	Time out while moving to the hold position
ret	Time out while moving to the return position
emp	Time out while moving to the empty position
hom	Time out while moving to home position
rls	Time out while moving to release position
pul	Failure in disc gripping (Clip sensor could not detect a disc after gripping.)
pus	Failure in disc returning (Clip sensor has detected a disc after returning.)
nfd	Failure in disc detecting (Detection was impossible through the return position when gripping the disc.)

For any other error messages, contact a qualified service personnel for assistance.

Chapter 6 General Information

Cautions

On handling or loading discs

- Do not use 8-cm discs, not even with the use of an adapter.
- Place a disc with the label side facing up.
- Do not use completely transparent discs.
- Do not use deformed discs.
- Do not use discs with affixed labels other than the original one, or they may jam the unit and cause a malfunction.
- Do not use dirty discs. Be sure to wipe off any dirt before loading a disc.
- Do not load two or more discs together into the media tray.
- When loading a disc, place it at the center of the media tray.

On changing voltage

- When required, use the VOLTAGE SELECTOR switch on the rear side of the unit to select 120V or 230V for the 110V-120V regions and 220V-240V regions respectively.
- Be sure to change the AC power cord accordingly.

General

Except when instructed, do not remove any screws on the panel or other parts of the unit. They must be handled by qualified service personnel.

Transporting the CD-ROM Library

Before shipping the unit, remove all the disks inside the unit, then take the following steps:

1 Park the carrier.
See the "Parking the Carrier" section for more information.

2 Remove the two shipping screws from the rear side of the unit and put them back into the spaces at the bottom.

3 Repack the unit using the original shipping container and packing materials. If the original container and packing materials are not available, contact your local Sony representative for information on obtaining replacements.

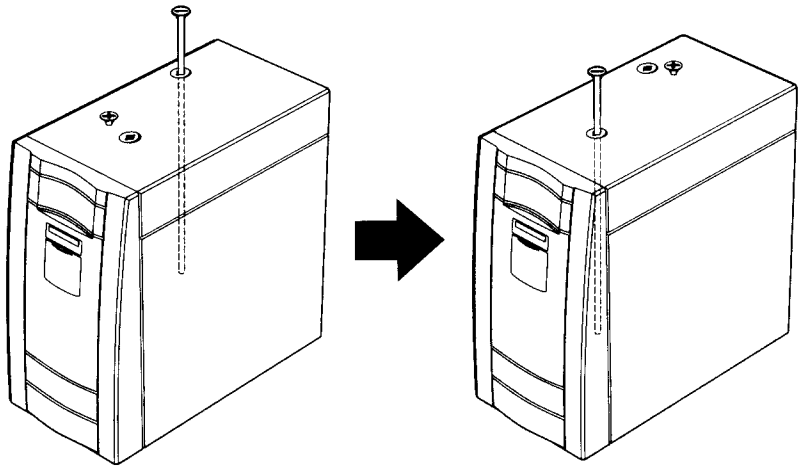
When temporarily moving the unit

For small movement such as moving the unit across the room, you can leave the disks inside the unit but use the locking pole to secure the unit, as follows:

1 Park the carrier.
See the "Parking the Carrier" section for more information.

2 Remove the two shipping screws from the rear side of the unit and put them back into the spaces at the bottom.

3 Take out the locking pole from the operating position and insert it into the shipping position.



4 Repack the unit using the original shipping container and packing materials. If the original container and packing materials are not available, contact your local Sony representative for information on obtaining replacements.

Caution

Carrier parking is required even when you move the unit across the room.

Specifications

CDL1100-10, CDL1100-20

Capacity	Number of drivers	1 or 2
	Number of slots	100
	Total Capacity	65 GB
Library Performance	Disc Exchange Time	Typ. 12.2 sec. (average)
Drive Performance	Sustained Transfer Rate	1200-1600 KB (P-CAV)
	Access Time	Typ. 130 ms (average)
Interface	Robotics	SCSI-2 single ended
	Drives	SCSI-2 single ended
	Analog Audio Output	Stereo mini jack
	Async	RS-232C
Readable Format	CD-DA	
	CD-ROM(Mode 1 and Mode 2)	
	CD-ROM_XA	
	(Mode 2 Form 1 and Mode 2 Form 2)	
	CD-I Ready	
	CD-Bridge	
	CD-EXTRA	
	Video CD	
	Photo CD (Single and multiple session)	
Physical Size	Dimensions (W×H×D)	215×430×435 (mm)
	Weight	13.7 kg
Power Requirements	Line Voltage	120 V/230 V
	Line Frequency	50/60 Hz
	Power Consumption	Tpy. 30 W
Temperature	Operating	5 to 35 degC
Relative Humidity	Operating	30 to 80%

Correction

Page 3

The power cord for the 220-240V AC area is not supplied by Sony Corporation.

Page 9

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Page 18

"CD-ROM/R Library" in the illustration is not correct. Correct to "CD-ROM Library."

Page 31

Positioning the carrier to a slot

4 Press SET to position the carrier.

Page 33

Interval	Action
As required	Clean Drives (only when operating in dusty environment or when excessive read errors occur.)

Page 34

"Load" in the illustrations for step 6 and 7 is not correct. Correct to "Unload."

Page 40

- "CD-ROM_XA" in the "Readable format" is not correct. Correct to "CD-ROM XA."
- Drive performance

  Sustained Transfer rate

  1160-1800KB (P-CAV)
- Power consumption

  0.25A 120V (CDL1100-20)

  0.19A 120V (CDL1100-10)

  0.13A 230V (CDL1100-20)

  0.1A 230V (CDL1100-10)

Note

If "Rst Sensor Err" appears on the screen

In this case, remove the shipping screws and reset the CD-ROM Library.

1 Turn off the CD-ROM Library.
2 Remove two shipping screws.
3 Turn on the power again.
4 Set the ROBOTICS SW 8 to ON, then reset to OFF.

Noise from unbalanced discs

Some CD-ROM discs may be unbalanced when spinning at high speed because of uneven label silkscreening or applied labels. This will cause noise during operation of the Library. In this event, it is recommended that you avoid using these unbalanced discs.

Remarque

Le cordon d'alimentation pour la région de 220 à 240 CA n'est pas fourni par Sony Corporation.

Hinweis

Diese Ausrüstung erfüllt die Europäischen EMC-Bestimmungen für die Verwendung in folgender/folgenden Umgebung(en):

- Wohngegenden
- Gewerbegebiete
- Leichtindustriegebiete

(Diese Ausrüstung erfüllt die Bestimmungen der Norm EN55022, Klasse B.)

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SONY

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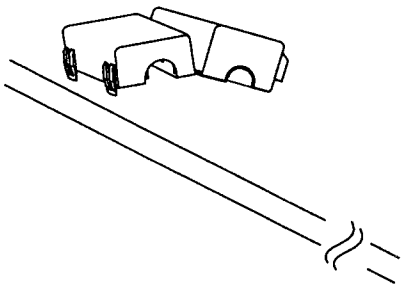
Notes on Connecting SCSI CABLE

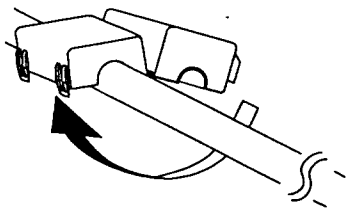
A ferrite core designed to suppress noise in the SCSI cable is supplied.
Attach the ferrite core to the SCSI cable as shown below.

How to mount the ferrite core

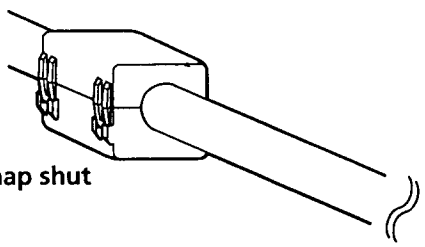
1 Insert the SCSI cable into the groove of the opened ferrite core.



2 Close the ferrite core around the cable.

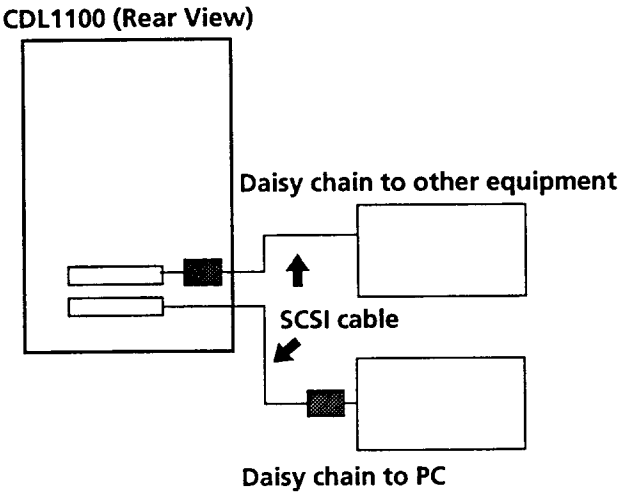


3 Make sure that the core is locked. It should audibly snap into place.

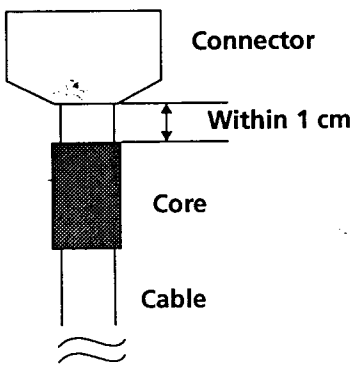


Where to mount the ferrite core

Connection chart



Location on SCSI cable



Note

On some cables, it may not be possible to mount the ferrite core.

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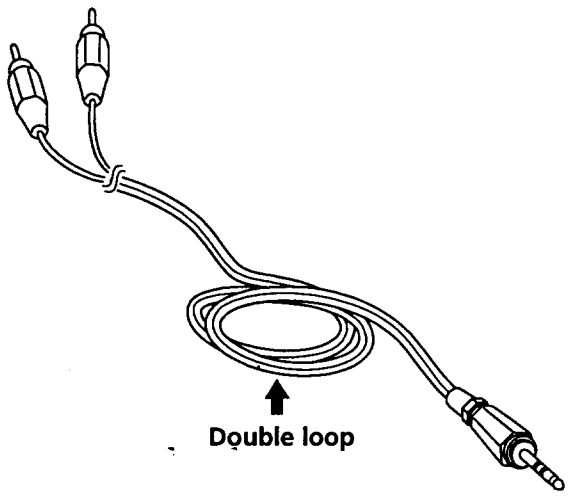
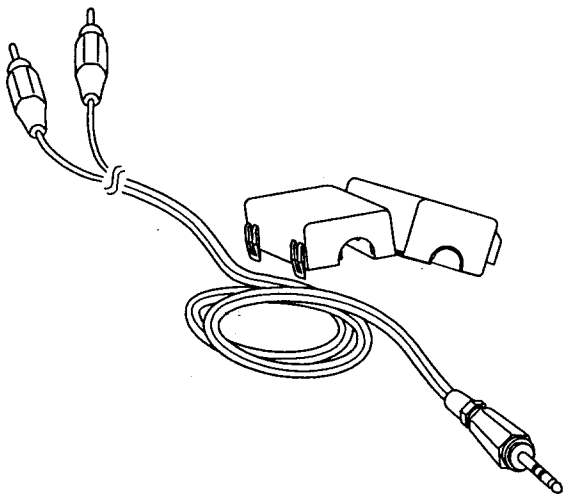
Notes on Using LINE OUT Terminal

Please attach the supplied ferrite core to audio cable that you connect to the LINE OUT terminal. Attach the ferrite core as shown below.

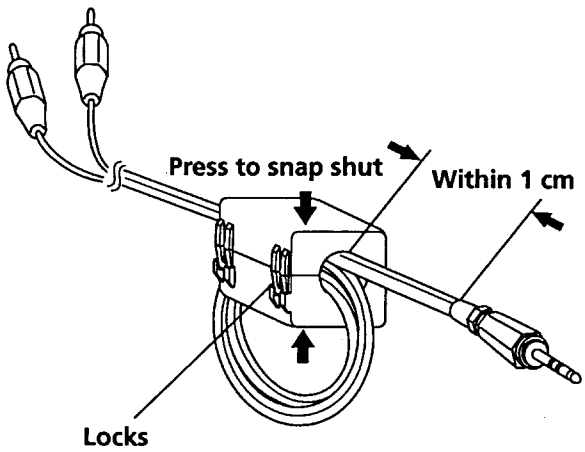
1 Make a **double loop** in the audio cable near the end which you will be connecting to the LINE OUT terminal.



2 Set the tripled part of the cable into the groove in the opened ferrite core.



3 Close the ferrite core, making sure that it is locked. It should shut with an audible snap.



SONY

Desktop Li

QUICK REFERENCE

Welcome

Congratulations on your purchase of the new Sony CDL1100 Desktop Library™ - the perfect solution for desktop systems and small workgroups to organize and access your collection of CD-ROM, CD-R and audio CD discs. The Desktop Library system includes:

- A high-quality 100 disc, two drive CD-ROM library
- A copy of SmartCD® Neighborhood™ software for Windows® 95 and Windows NT® 4.0
- An evaluation copy of SmartCD Access software for Windows NT and Netware®

System Requirements

The Desktop Library system can be used on a single user system or shared over a small network of 2-5 people. A dedicated server is not required to share the CDL1100 on a network. The system to which the CDL1100 is connected acts as the server for your network. This system requires:

- Windows 95 (16MB RAM min.), Windows NT 4.0 Workstation or Server (24MB RAM min.)
- A minimum of 10MB hard disk space
- A CD-ROM drive for software installation
- An ASPI compliant SCSI adapter card (Adaptec® PCI adapter AHA-2920 or 2940 recommended)
- A premium-quality SCSI cable (50-pin Centronics style on the CDL1100 end)

For other users connected to this network, as clients to the CDL1100 server they require:

- Windows 95, Windows NT 4.0 Workstation or Server
- A minimum of 4MB hard disk space

Warranty Registration

Take a few moments to fill out the warranty registration card and return to Sony. The Sony CDL1100 is provided with a one year limited warranty on the hardware (see warranty card for details). The SmartCD Neighborhood software is provided with free technical support for 90 days.

Technical Support

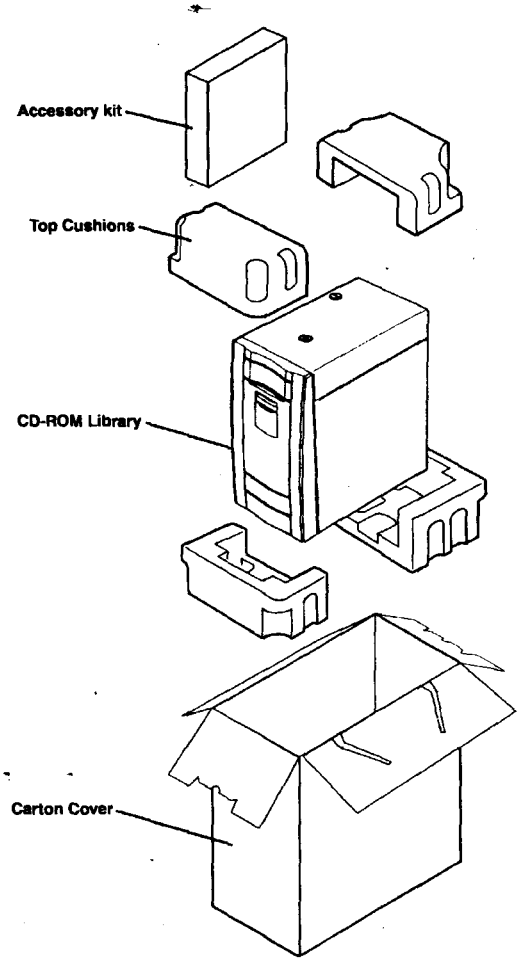
If you encounter any problems during the installation or usage of the Desktop Library system, please check the following items before calling the technical support number:

- Read this quick reference guide carefully.
- Refer to the hardware and software user's guide, readme, and on-line help for troubleshooting.
- Record any error messages from the LCD front control panel if applicable.
- Write down your system configuration including brand and model of computer system, type and model of SCSI adapter, any other peripheral devices, version of operating system, total system RAM, and any other information you may feel is important.

For technical support call Sony Technical Support at **800-597-5649**

Hardware Installation

1 *Unpack and check for any missing components.*



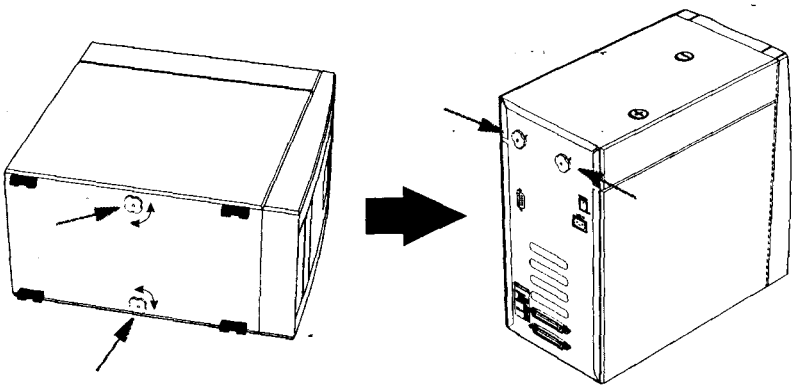
Accessory box includes:

- Desktop Library Quick Reference
- CDL1100 User's Guide
- AC Power Cord
- SCSI Terminator
- Ferrite Cores (4)
- Limited Warranty Card
- Warranty Registration Card
- Important Safeguards Card
- SmartCD Neighborhood Kit

SmartCD Neighborhood Kit includes:

- Start Here Card
- Neighborhood CD-ROM
- Neighborhood User's Guide
- S/W Maintenance Order Form
- SmartCD for Access Demo CD-ROM
- Access Upgrade Order Form
- SmartCD Product Catalog

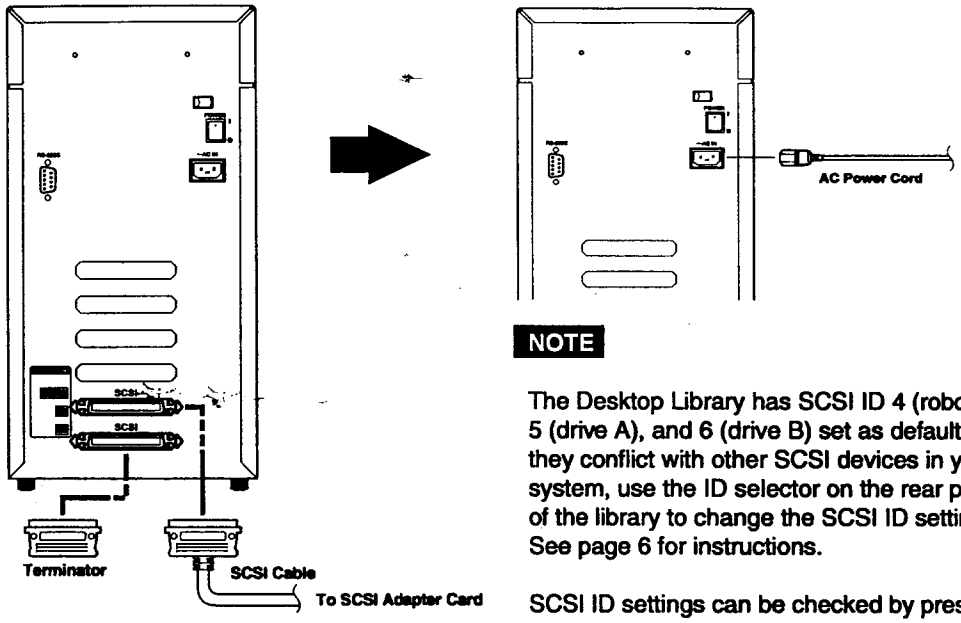
2 *Remove the two yellow shipping screws from the bottom of the library and screw them into the threaded holes provided in the rear panel of the library.*



NOTE

If you did not remove two shipping screws before turning the power on, you will see the error message "Rst Sensor Err" on the library LCD control panel display. In this event remove the two screws from the bottom of the library and reset the unit using the ROBOTICS dip switch #8 on the rear of the library. See the following page for more information on resetting this error.

3 *Connecting the SCSI cable (not supplied), terminator, and AC cord.*

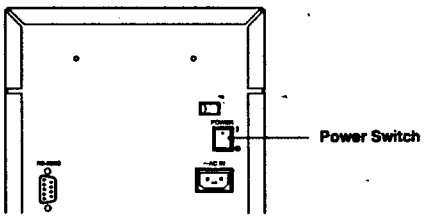


NOTE

The Desktop Library has SCSI ID 4 (robotics), 5 (drive A), and 6 (drive B) set as default. If they conflict with other SCSI devices in your system, use the ID selector on the rear panel of the library to change the SCSI ID settings. See page 6 for instructions.

SCSI ID settings can be checked by pressing DISPLAY key of the front panel.

4 *Turn on the power and confirm that LCD display panel shows "Normal Mode"*



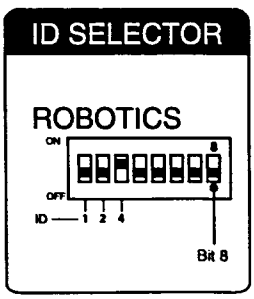
NOTE

When a hardware error occurs during the power-on diagnostics, the POWER indicator flashes green and red alternately. Please check the LCD display panel for any error messages for troubleshooting the errors.

If You Encounter Hardware Errors

1 *Refer to Chapter 5 Troubleshooting in the hardware guide for assistance.*

2 *To reset a hardware error, move the ROBOTICS dip switch #8 to the ON position and then back to the OFF position when the power is turned on.*



CAUTION

If you repeatedly encounter a hardware error, contact Sony Technical Support immediately. Repeatedly resetting switch #8 may damage the library unit or the discs.

Do not leave switch #8 in the ON position.

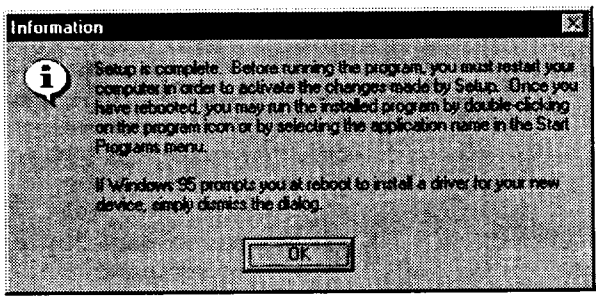
Software Installation (Server or Standalone PC)

1 *Turn on the PC. Dismiss Unknown Device message by selecting "Do not install a driver".*

NOTE

The SCSI adapter card and its driver must be installed correctly before installing the Desktop Library unit. For installing the SCSI adapter card and its driver refer to the installation guide of the adapter.

2 *Insert the Neighborhood CD and auto-run setup.exe. Then reboot the PC.*

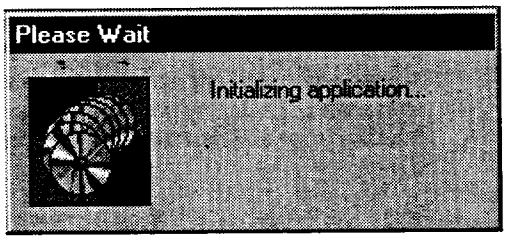

Information
Setup is complete. Before running the program, you must restart your computer in order to activate the changes made by Setup. Once you have rebooted, you may run the installed program by double-clicking on the program icon or by selecting the application name in the Start Programs menu.
If Windows 95 prompts you at reboot to install a driver for your new device, simply dismiss the dialog.
OK

NOTE

Do not insert the SmartCD Neighborhood installation CD-ROM into the Desktop Library unit. The Neighborhood CD has auto-run capability. Double-click the Neighbor icon. If you do not see the icon, refresh My Computer.

Reboot the PC after the software installation is completed.

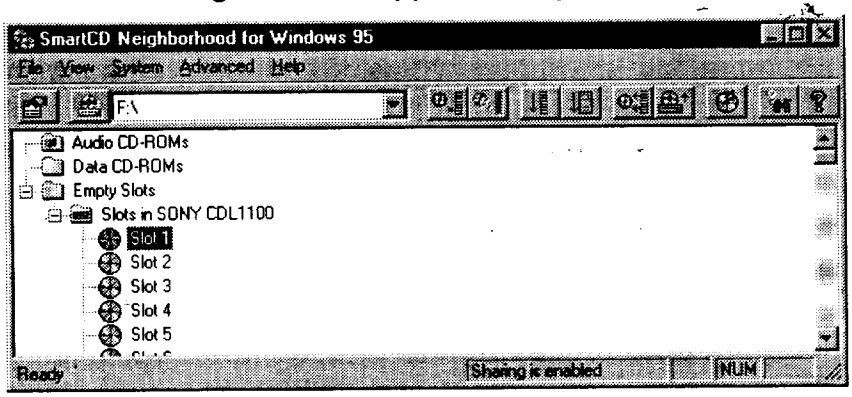
3 *Auto-configuring the Desktop Library system by clicking the SmartCD Neighborhood Icon.. Then, reboot the PC again.*



NOTE

The Neighborhood application automatically initializes and configures Desktop Library. After the message confirming the successful installation of the system, reboot your PC again.

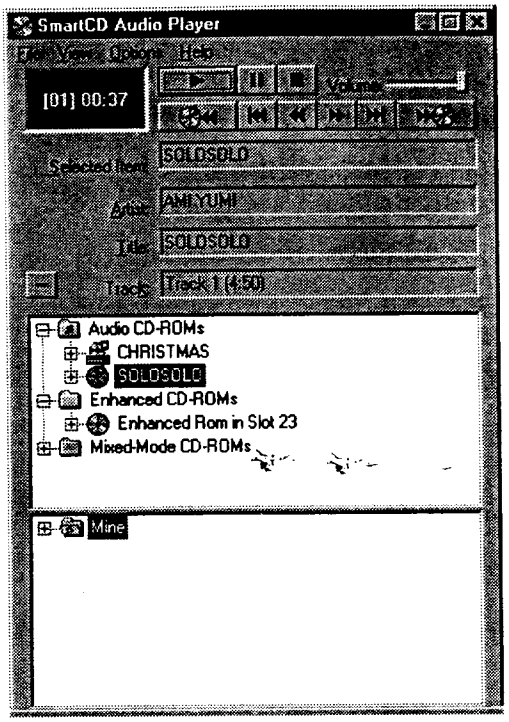
4 *Launch the Neighborhood Application by clicking the SmartCD Neighborhood Icon.*



NOTE

The Neighborhood application disables operation of the front panel controls. Use the application to add or remove discs from the Desktop Library system through the mailbox tray.
The first step in adding a CD-ROM disc to the library is to double-click an empty slot.
Enable sharing if you have clients that will access Desktop Library system over a network.

5 *Launching the Audio CD Player Utility.*



NOTE

You can launch Audio Player utility from the SmartCD Neighborhood group in the Start menu, the System menu in the Neighborhood application, or from the Explorer by right clicking on one of the Desktop Library drives and then selecting Audio Player from the pop-up menu that appears.

Audio CDs and audio tracks of Enhanced CDs and Mixed mode CDs can be played. To play a track, a whole CD, or a playlist, highlight it and then select Select Item to Play from the File menu. The selected item appears in the Disk/Track Info fields. Then press Play button.

Software Installation (Client PC)

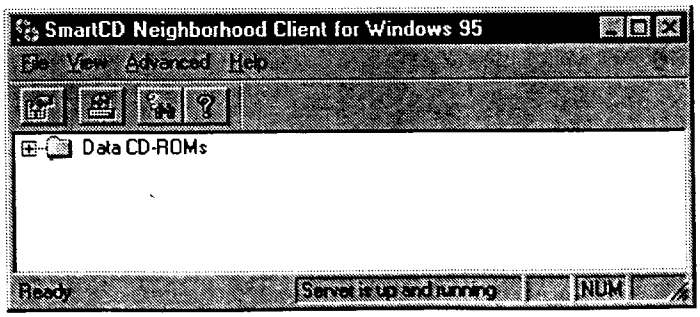
1 *Mount the client folder under the Neighborhood folder of the Server PC system.*

NOTE

The client folder is located under the CDNbr95 or CDNbrNT folder of the Server PC system. Using Network Neighborhood, network-mount the client folder at the Client PC system over the network and run setup.exe.

After the message confirming the successful installation of the client software, you are ready to access the Desktop Library system.

2 *Launch the Neighborhood Client Application by clicking the SmartCD Neighborhood Client Icon.*

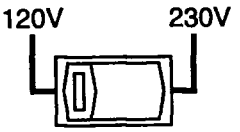


NOTE

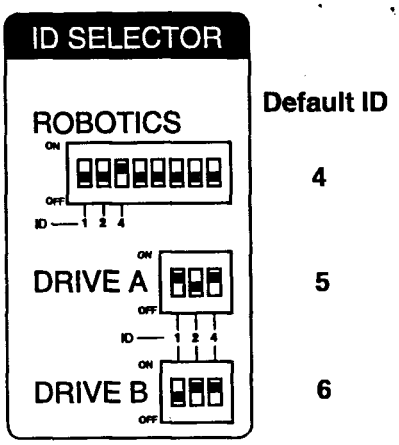
The PC acting as the server and all the client systems must have Microsoft's NetBEUI or TCP/IP installed in order to use SmartCD Neighborhood over the network. Refer to Appendix B of the Neighborhood User's Guide or consult to your network administrator if you have a communication problem.

Important Operating Instructions

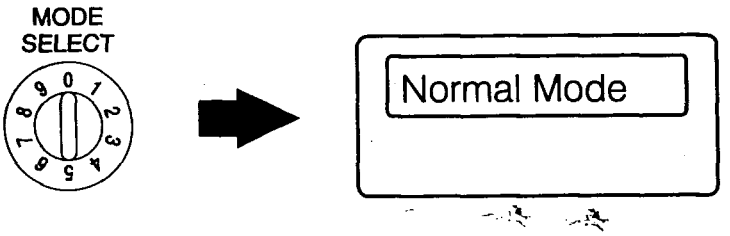
1 *Check the voltage selector. It must be set to 120V (factory default).*



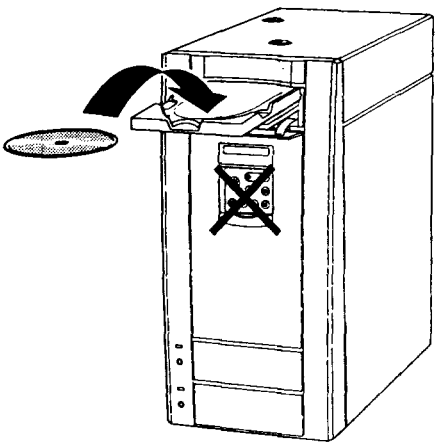
2 *The SCSI IDs used by the Desktop Library system must be unique and should not conflict with any other SCSI devices on your system.*



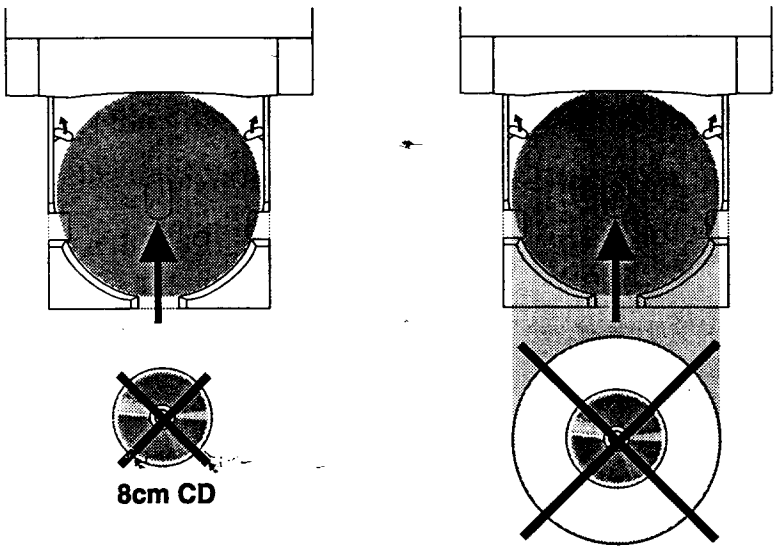
3 *The MODE SELECT switch must be set to Normal Mode (factory default)*



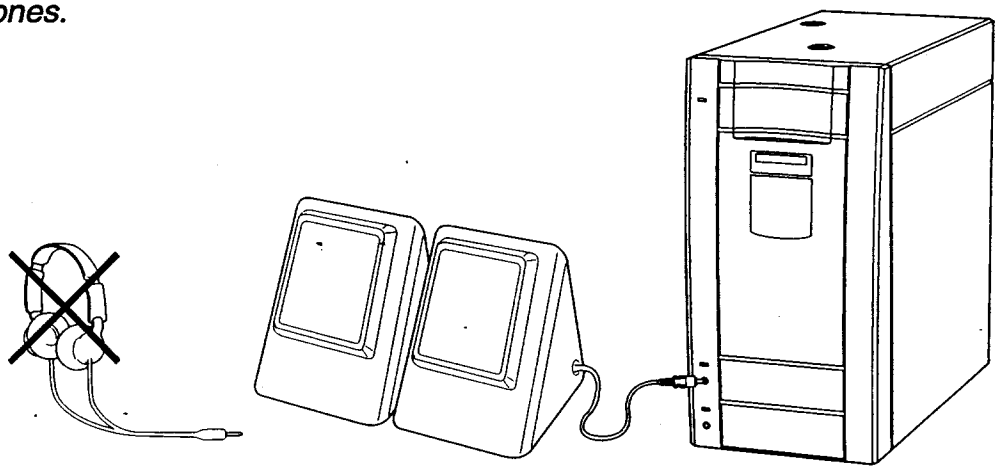
4 *Use the Neighborhood application to add or remove CD-ROM discs from the library. DO NOT use the front panel keys !*



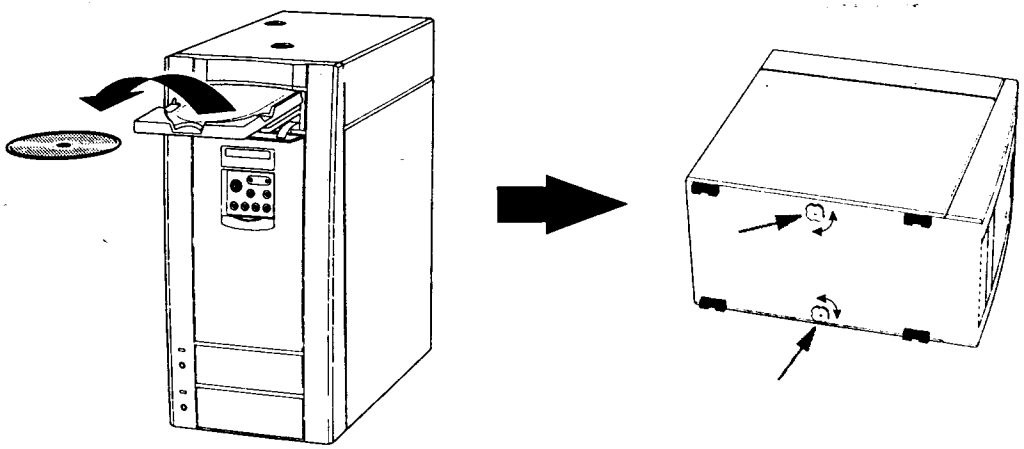
5 *Do not use an 8cm CD single disc, not even if used with an adapter.*



6 *Connect amplified speakers to the audio line out jack. Do not connect headphones.*



7 *For service or ANY transportation of the Desktop Library system, remove all discs, park and lock the carriage to the bottom of the library unit with the supplied yellow locking screws. See the hardware guide for details.*



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Netware is trademark of Novell, Inc.

LIMITED WARRANTY
CDL1100 CD-ROM LIBRARY

SONY ELECTRONICS INC. ("Sony") warrants that hardware products ("Equipment") sold by its Integrated Storage Products Division ("ISPD") will be free from defects in materials or workmanship as follows:

For a period of one (1) year from the original sale the Equipment will be repaired at no cost to the Customer in accordance with the conditions contained herein.

To correct a problem that has occurred during the Limited Warranty period, the Customer will return defective Equipment, freight prepaid, to the Warranty Repair Dept. at Sony Integrated Storage Support Center at 4200-Q Lafayette Center Drive, Chantilly, Virginia 20151. Customer shall remove all media and return the Equipment in its original carton or in similar packaging affording an equal degree of protection. Sony will return the repaired Equipment, freight prepaid, to the Customer. Sony may, at its option, replace the defective Equipment rather than repair it.

1. Notification of Claim: Limited Warranty: If a Customer determines that Sony sold Equipment is defective in materials or workmanship during the Limited Warranty period, the Customer must contact Sony's Technical Support Center at 800-597-5649 during the applicable warranty period, with an explanation of the problem. If after investigation Sony determines that the Equipment is defective, it will be serviced or repaired according to the provisions of the Limited Warranty. No repair of any Equipment or part thereof shall extend the manufacturer's warranty period as to the entire equipment. The Limited Warranty of the Equipment repair or part shall be in effect for a period of ninety (90) days following the repair or the remaining manufacturer's original limited warranty, whichever is greater.

2. Exclusive Remedy: Acceptance: Customer's exclusive remedy and Sony's sole obligation is to, at no extra charge, correct, repair, or replace any part or provide all labor necessary to correct a reoccurrence of a particular defect during the period of the Limited Warranty. Customer's failure to notify Sony or the continued use of the Equipment shall constitute an unqualified acceptance of such Equipment and a waiver by Customer of all claims thereto.

3. Exceptions to Limited Warranty: Sony shall have no liability or obligation to Customer with respect to any Equipment damaged due to acts of God, negligence, abuse, misuse, accident, disaster, Customer failure to follow correct operating and maintenance procedures, attempted repairs and adjustments by non-qualified personnel, unauthorized alterations and/or modifications, operation of the Equipment with non-compatible equipment or attachments or outside of the published environmental and electrical parameters, or if the Equipment's original identification (trademark, serial number, part number, etc.) has been altered, defaced, or removed. In addition, Sony shall have no liability for removal of media or data. This limited warranty does not apply to Equipment sold As Is or With All Faults. This limited warranty does not cover damage resulting from the use of the Equipment in conjunction with accessories, products, or ancillary or peripheral equipment not manufactured by Sony and where it is determined by Sony that there is no fault with the Equipment itself.

Sony excludes from Limited Warranty all Equipment located outside of the United States.

Proof of Purchase in the form of a bill of sale or receipted invoice which is evidence that the unit is within the warranty period must be presented to obtain warranty service.

PLEASE SEE REVERSE SIDE FOR TECHNICAL SUPPORT PHONE NUMBER

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